

**Claims**

1. A rolling fluid machine especially with a liquid spraying at the output, comprising a chamber (1) where at least a part of its inner surface has a rotary shape and the chamber (1) is provided with at least one inlet (2) of fluid and at least one outlet (3) of fluid, while in the chamber (1) a rolling rotor (4) is installed in a manner enabling rolling and swinging, **characterized by the fact that in the chamber (1) the space (5) bellow the rotor (4) and the space (6) above the rotor (4) is interconnected by at least one additional channel (7)**.
- 2: The rolling fluid machine as in Claim 1, **wherein** the additional channel (7) comprises an opening trough the wall of the rotor (4).
- 3: The rolling fluid machine as in Claim 1, **wherein** the additional channel (7) is arranged outside the inner space of the chamber (1).
4. The rolling fluid machine as in any of the above Claims 1 to 3, **wherein** the additional channel (7) has incorporated a control valve (8).
5. The rolling fluid machine as in Claim 2, **wherein** the additional channel (7) is connected to the hollow shaft (9).